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MSC030SDA120 ☆

1200V Silicon Carbide (SiC) Schottky Barrier Diodes (SBDs)

Status: In Production.

Documentation Symbols

Recommended for Automotive Design

Download Datasheets

MSC030SDA120 is part of our newest family of SiC Schottky Barrier Diode (SBD) devices. Microchip's SiC solutions focus on high performance helping to maximize system efficiency and minimize system weight and size. Microchip's proven SiC reliability also ensures no performance degradation over the life of the end equipment.

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Sampling Options

Product Features

- AEC-Q101 Qualified
- No reverse recovery
- Low forward voltage
- Low leakage current
- Avalanche-energy rated
- RoHS compliant

Parametrics

Product Type	SiC Discrete Diode
Reverse Voltage (V) [max]	1200
Forward Voltage (V) [typ]	1.5
Forward Current (A) [max]	30
Junction Temperature (°C) [max]	-55 - 175°C
Package Type(s)	D3PAK, TO-220, TO-247-2L, TO-247
Dual Diode	No
Configuration	N/A

Documentation

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Title	Document Category	DS Number		
MSC030SDA120B 1200 V, 30 A SiC Schottky Diode	Data Sheets	DS00005049	Download	☆
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RoHS Information

Product	JEDEC Indicator	ROHS	SCIP	China EFUP	Material Declaration	Device Weight (g)
MSC030SDA120S	e3		Not Applicable			0.0
MSC030SDA120K	e3		Not Applicable			0.0
MSC030SDA120BCT	e3		Not Applicable			0.0
MSC030SDA120B	e3		Not Applicable			0.0

4 of 4 results

To see a complete listing of RoHS data for this device, please [Click here](#)

Shipping Weight = Device Weight + Packing Material weight. Please [contact sales](#) office if device weight is not available.

Purchase from Microchip

Product Details	Specifications	Pricing	Availability
QUANTITY	USD		
	MSC030SDA120B Sample Product	Pins Packaging: 2 TO-247 Temp Range: -55C to +175C Packing Media: Tube (30)	Buy Now Price, Any Quantity 1-9 \$10.70 10-99 \$8.59 100-499 Available To Order Order now, estimated to ship on 23-Mar-2024 Quantity: <input type="text"/>
	MSC030SDA120BCT Sample Product	Pins Packaging: 3 TO-247 Temp Range: -55C to +175C Packing Media: Tube (30)	Buy Now Price, Any Quantity 1-9 \$20.34 10-99 \$16.33 100-499 Available To Order Order now, estimated to ship on 23-Mar-2024 Quantity: <input type="text"/>
	MSC030SDA120S Sample Product	Pins Packaging: 2 TO-268 Temp Range: -55C to +175C Packing Media: Tube (30)	Buy Now Price, Any Quantity 1-9 \$11.63 10-99 \$9.33 100-499 Available To Order Order now, estimated to ship on 23-Mar-2024 Quantity: <input type="text"/>
	MSC030SDA120K Sample Product	Pins Packaging: 2 TO-220 Temp Range: -55C to +175C Packing Media: Tube (50)	Buy Now Price, Any Quantity 1-9 \$10.33 10-99 \$8.29 100-499 In Stock : 10,794 Order now, up to 10,794 estimated to ship on 2 Lead Time For Additional Quantities Additional quantities estimated to ship by 23-Mar-2024 Quantity: <input type="text"/>

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